

10-30-00

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PTO/SB/05 (08-00)

Please type a plus sign (+) inside this box → ☒Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	103.576.144
First Inventor	Palombella
Title	MEKK1 MOLECULES AND USES THEREOF
Express Mail Label No.	EL521665185US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **117**]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **8**]
5. Oath or Declaration [Total Pages **8**]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 17 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Other:

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: _____/_____

Prior application information:

Examiner: _____

Group / Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**18. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name	Janice M. Klunder, Ph.D.				
Address	Hale and Dorr LLP				
	60 State Street				
City	Boston	State	MA	Zip Code	02109
Country		Telephone	617-526-6000	Fax	617-526-5000

Name (Print/Type)	Janice M. Klunder, Ph.D.	Registration No. (Attorney/Agent)	41,121
Signature	<i>Janice M. Klunder</i>		Date 27 Oct 2000

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

EXPRESS MAIL LABEL NO. EL521665185USDATE OF DEPOSIT 10/27/00

PTO/SB/17 (09-00)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL
for FY 2001**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$1,758

Complete if Known

Application Number	
Filing Date	27 October 2000
First Named Inventor	Palombella
Examiner Name	
Group Art Unit	
Attorney Docket No.	103.576.144

PTO
065/69/698
09/69/698
10/27/00

METHOD OF PAYMENT

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 08-0219
Deposit Account Name Hale and Dorr LLP

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	710
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$ 710.00

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
41	-20** = 21	18	378
8	-3** = 5	80	400
Multiple Dependent		270	270

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$1,048.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Janice M. Klunder, Ph.D.	Registration No. (Attorney/Agent)	41,121	Telephone	617-526-6771
Signature	<i>Janice M. Klunder</i>	Date	27 Oct 2000		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Palombella et al.
Serial No.: TBA
Filing Date: October 27, 2000
Title: MEKK1 MOLECULES AND USES THEREOF



BOX PATENT APPLICATION

Commissioner for Patents
Washington, DC 20231

CERTIFICATE OF MAILING

I hereby certify that the attached papers and fees are being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" Service under 37 C.F.R. 1.10 on October 27, 2000 and is addressed to BOX PATENT APPLICATION, Commissioner for Patents, Washington, DC 20231.

10/27/00
Date of Signature and
of Mail Deposit


Jo-Ann Bergantino

TRANSMITTAL LETTER

Dear Commissioner for Patents:

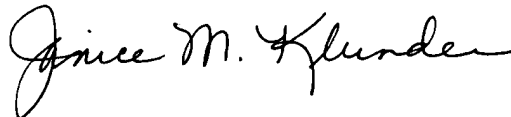
Enclosed herewith for appropriate action are the following items:

1. Utility Patent Application Transmittal Sheet;
2. New Application entitled MEKK1 MOLECULES AND USES THEREOF and naming inventors Vito J. Palombella and Sha-Mei Liao. The application consists of 125 pages, including:
 - 108 pages of the specification
 - 8 pages of the claims
 - 1 page of the abstract
 - 8 pages of drawings (Figures 1-5);
3. Two Signed Declaration and Power of Attorney forms;
4. Fee Transmittal Sheet; and
5. Return postcard.

Please charge our Deposit Account No. 08-0219 the required filing fee of \$1,758. In addition, please charge any fees or credit any overpayment to Deposit Account No. 08-0219.

Respectfully submitted,

HALE AND DORR LLP



Janice M. Klunder, Ph.D.
Reg. No. 41,121

October 27, 2000

HALE AND DORR LLP
60 State Street
Boston, MA 02109
Tel: (617) 526-6771
Fax: (617) 526-5000

Title:

Applicant Palombella et al.

☒ Express Mail Label No. EL521665185US

☒ Application incl. 125 pages (___ Design)

108 pp. of specification

8 pp. of claims (# of claims -)

1 pp. of abstract

8 sheets of drawings; Figs. 1-5

☐ formal ☒ informal

☐ Provisional Application Cover Sheet

☒ Declaration / Power of Attorney (__Unsigned)X2

☐ Verified Statement Claiming Small Entity Status☐ Copy of Notice to File Missing Parts ☐ Response

☐ Request for filing CPA; 37 CFR 1.53(d)

☐ IDS, PTO-1449, and ___ references (Supp. ___)

☐ Certificate of Mailing under 37 CFR 1.8(a)

☐ Response to Office Action/Restriction Req.☐ Petition for ___ month extension of time

☐ Assignment and Cover Sheet

☐ Amendment (☐ Preliminary; ☐ After Final)

☐ Notice of Appeal

☐ Appellant's Brief (triplicate) (☐ Reply Brief)

☐ Letter to Chief Draftsperson

☐ Issue Fee / ☐ Maintenance Fee Transmittal

☐ Sequence listing; ☐ Diskette

☒ Transmittal Letter

☐ Check for \$ _____; check # _____

☒ Deposit Account Authorization \$1758.00

☐ other:☐ other:

Mailing Date: 10/27/00

Docket No.

103576.144

Atty/paralegal/secy: JMK/jrb

~~MPI2000-133~~ Millennium

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09/697898